

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: 2001175345 A

(43) Date of publication of application: 29.06.01

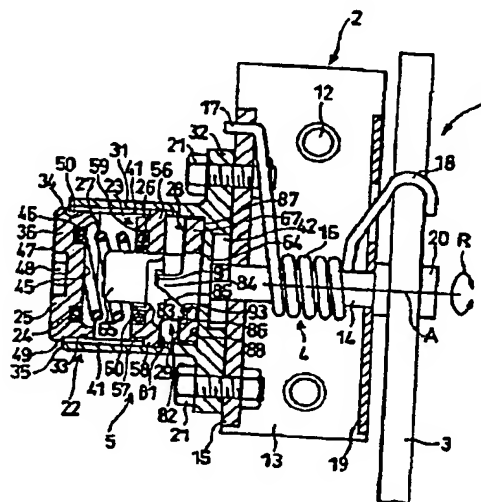
(54) PEDAL DEVICE FOR AUTOMOBILE AND DAMPER USED FOR THE PEDAL DEVICE

COPYRIGHT: (C)2001,JPO

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a pedal device capable of extending a pedal depression force range for fixedly maintaining the rotational position of a pedal arm in accordance with the quantity of pedal depression, allowed to be installed in a compact state as compared with a dummy cable and capable of extremely simply executing reaction adjustment having hysteresis characteristics, reducing characteristics changes and surely restoring the pedal arm to an initial rotational position and a damper suitable for the pedal device.

SOLUTION: The pedal device 1 for an automobile is provided with a supporting frame 2, the pedal arm, i.e., an accelerator pedal arm 3, supported by the frame 2 so as to be optionally rotated around an axis A in the R direction, a spring means 4 for rotationally energizing the pedal arm 3 to the initial rotational position, and the damper 5 for applying resistance force to the R-directional rotation of the pedal arm 3.



(51) Int. Cl.

G05G 1/14

B60K 26/02

F02D 11/02

F02D 11/04

(21) Application number: 11364681

(22) Date of filing: 22.12.99

(71) Applicant:

MITSUBISHI MOTORS
CORPOILES IND CO LTD

(72) Inventor:

GOTO HITOSHI
KOJIMA MASAMITSU
IGARASHI YOSHITERU
KUMAZAWA KATSUTOSHI

BEST AVAILABLE COPY

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2001-175345

(43)Date of publication of application : 29.06.2001

(51)Int.Cl.

G05G 1/14
B60K 26/02
F02D 11/02
F02D 11/04

(21)Application number : 11-364681

(71)Applicant : MITSUBISHI MOTORS CORP
OILES IND CO LTD

(22)Date of filing : 22.12.1999

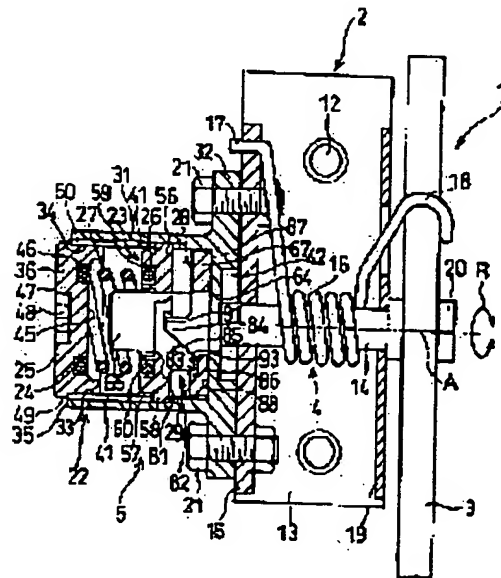
(72)Inventor : GOTO HITOSHI
KOJIMA MASAMITSU
IGARASHI YOSHITERU
KUMAZAWA KATSUTOSHI

(54) PEDAL DEVICE FOR AUTOMOBILE AND DAMPER USED FOR THE PEDAL DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a pedal device capable of extending a pedal depression force range for fixedly maintaining the rotational position of a pedal arm in accordance with the quantity of pedal depression, allowed to be installed in a compact state as compared with a dummy cable and capable of extremely simply executing reaction adjustment having hysteresis characteristics, reducing characteristics changes and surely restoring the pedal arm to an initial rotational position and a damper suitable for the pedal device.

SOLUTION: The pedal device 1 for an automobile is provided with a supporting frame 2, the pedal arm, i.e., an accelerator pedal arm 3, supported by the frame 2 so as to be optionally rotated around an axis A in the R direction, a spring means 4 for rotationally energizing the pedal arm 3 to the initial rotational position, and the damper 5 for applying resistance force to the R- directional rotation of the pedal arm 3.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the
examiner's decision of rejection or application
converted registration]

KSR 003079

BEST AVAILABLE COPY